

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P695326

Luminaire Tested: **LXF.LXT-PA16-50-727-U-T4W-A**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695326  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-50-727-U-T4W-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4813 lumens  
Efficiency: N/A  
Efficacy: 90.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U3 - G3

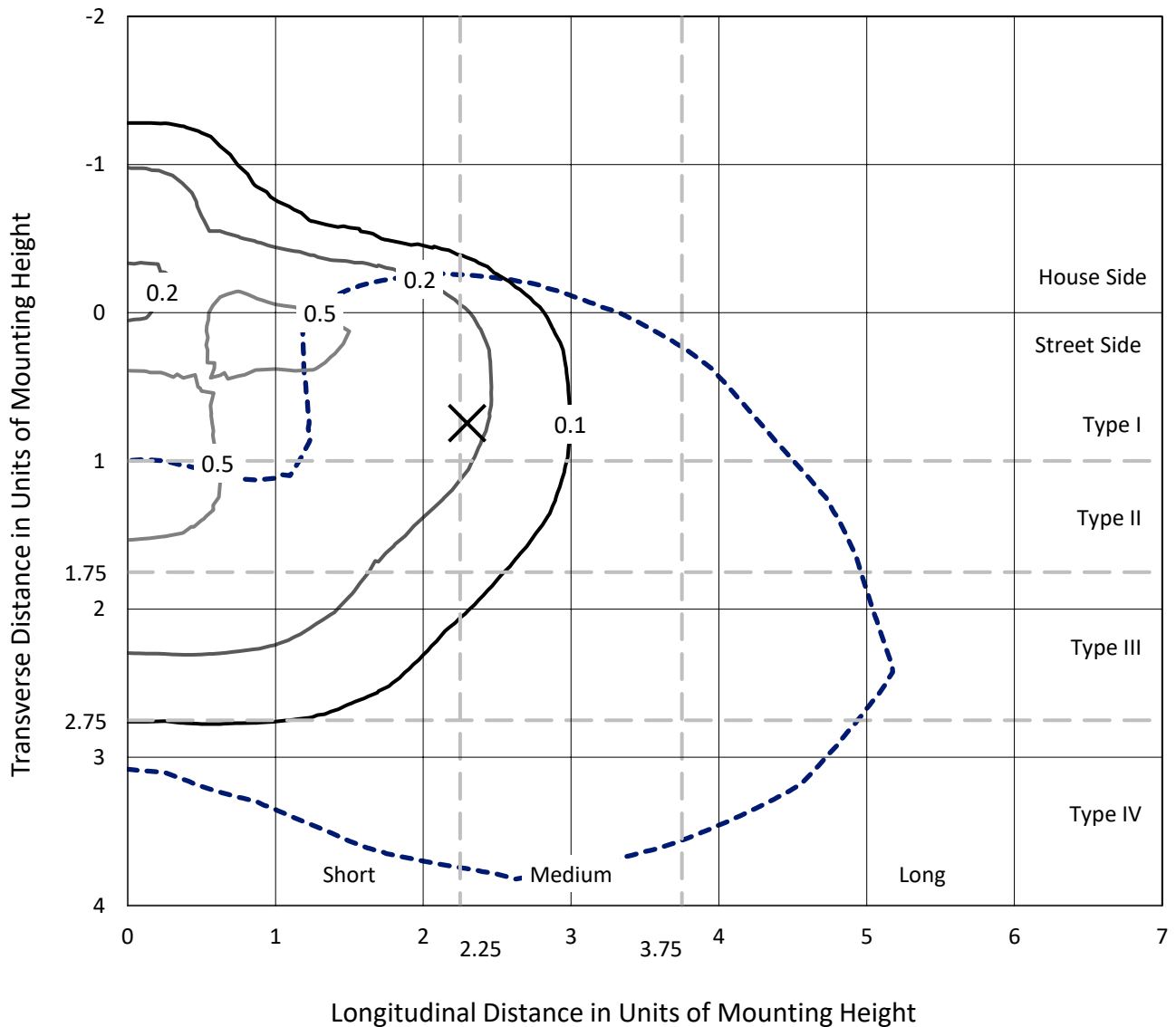
Input Watts (W): 53.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

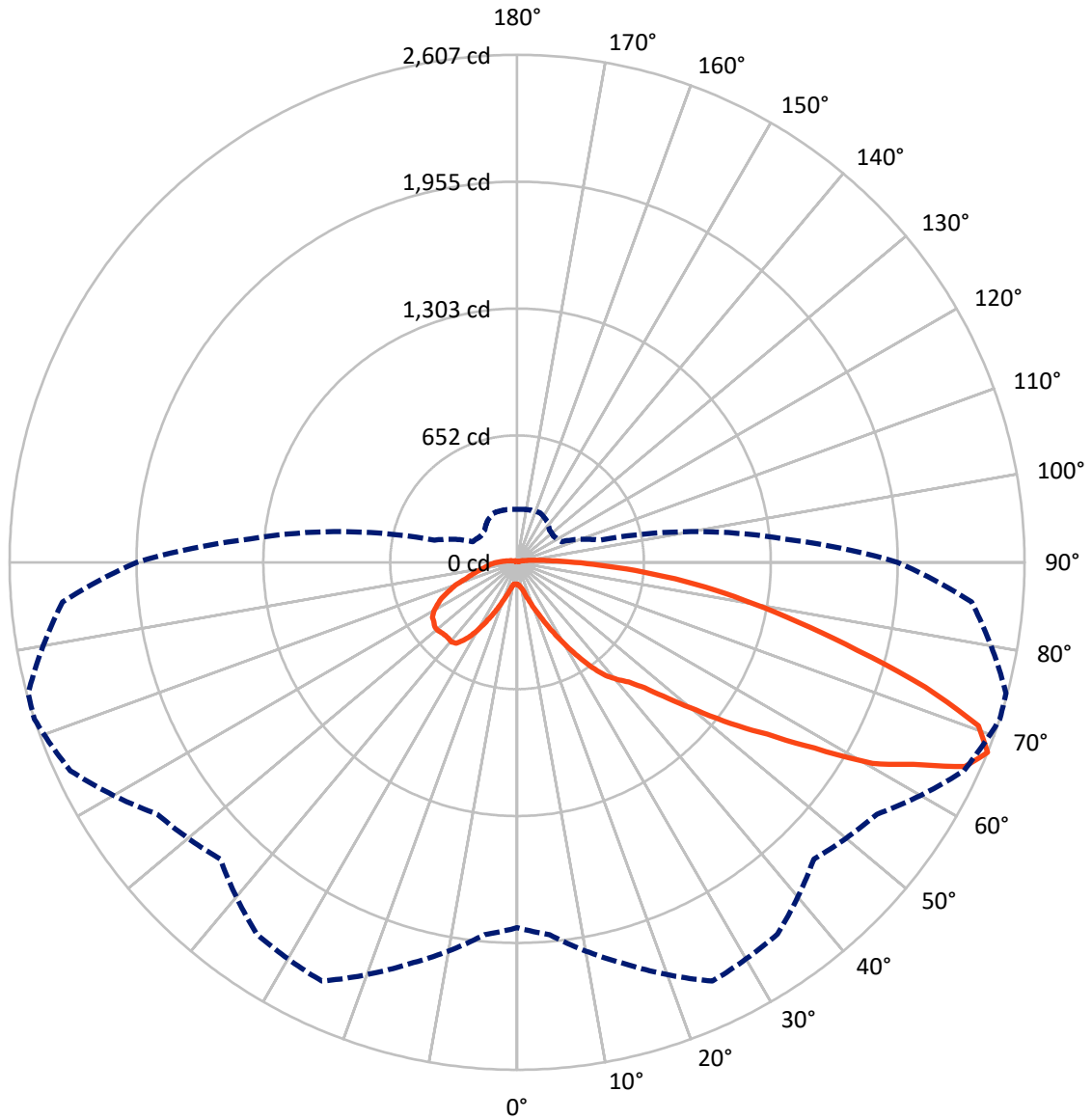
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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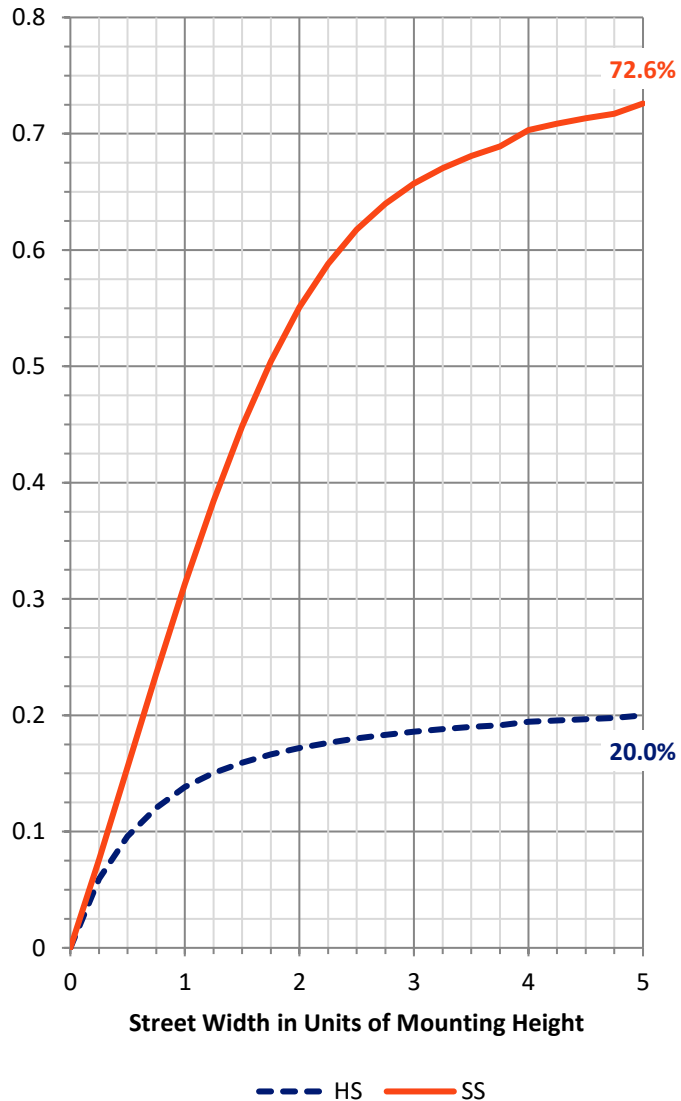
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1015.8	87.3	1103.1
	% Fixture	21.1	1.8	22.9
<b>Street Side</b>	Lumens	3616.9	92.9	3709.9
	% Fixture	75.1	1.9	77.1
<b>Total</b>	Lumens	4632.7	180.3	4813.0
	% Fixture	96.3	3.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.5	0.2
10°-20°	49.9	1.0
20°-30°	151.1	3.1
30°-40°	340.1	7.1
40°-50°	545.8	11.3
50°-60°	884.8	18.4
60°-70°	1290.5	26.8
70°-80°	967.4	20.1
80°-90°	391.6	8.1
90°-100°	108.7	2.3
100°-110°	35.7	0.7
110°-120°	16.4	0.3
120°-130°	9.9	0.2
130°-140°	6.3	0.1
140°-150°	3.0	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4632.7	96.3
0°-180°	4813.0	100.0

**Coefficient of Utilization**

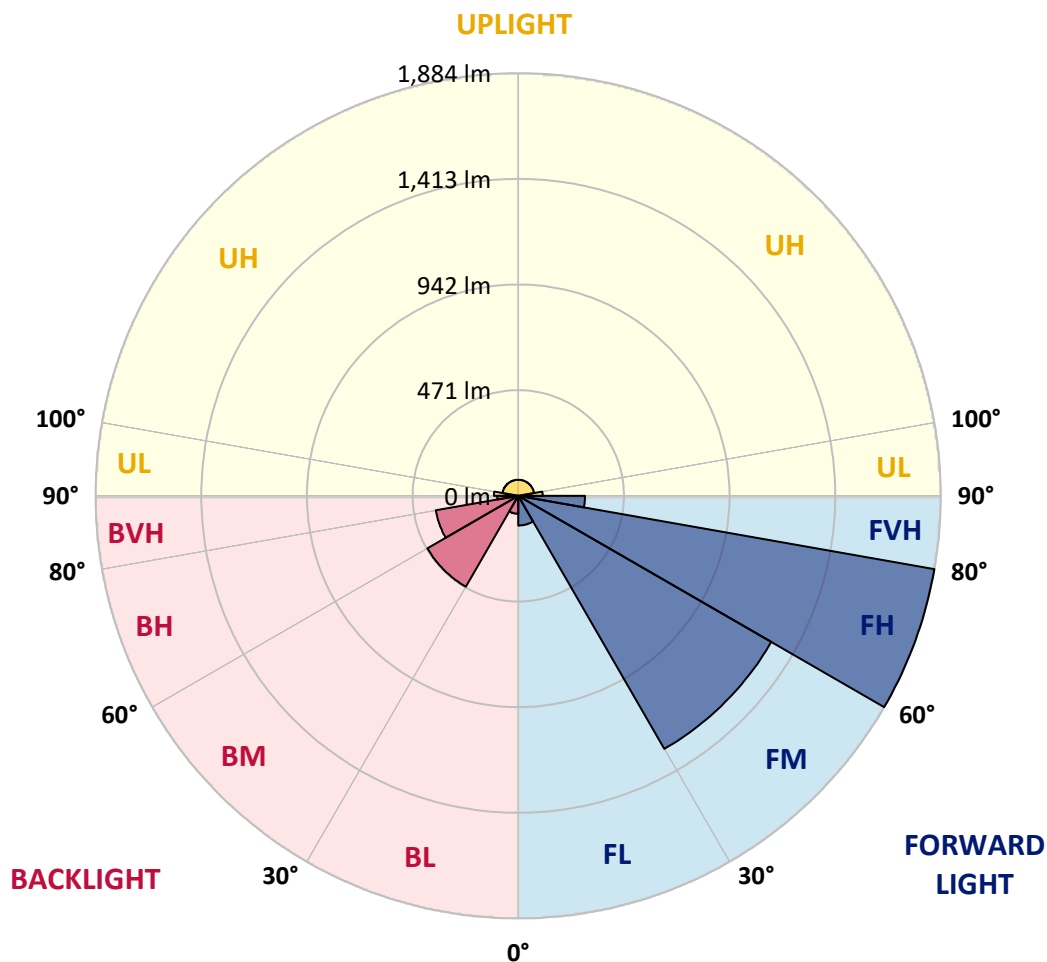


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	132.3	2.7			
FM (30°-60°)	1302.9	27.1			
FH (60°-80°)	1884.4	39.2			G2/5000
FVH (80°-90°)	297.4	6.2			G3/500
BL (0°-30°)	80.1	1.7	B0/110		
BM (30°-60°)	467.8	9.7	B1/1000		
BH (60°-80°)	373.5	7.8	B1/500		G1/500
BVH (80°-90°)	94.3	2.0			G1/100
UL (90°-100°)	108.7	2.3		U3/500	
UH (100°-180°)	71.6	1.5		U3/500	

**BUG Rating: B1-U3-G3**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	114.2	114.2	114.2	114.2	114.2	114.2	114.2	114.2	114.2	114.2	114.2
2.5°	119.4	119.4	119.4	119.4	119.4	119.4	119.4	117.6	115.9	115.9	114.2
5°	129.7	129.7	129.7	129.7	129.7	128.0	124.5	122.8	121.1	119.4	117.6
7.5°	145.3	143.6	143.6	141.8	140.1	138.4	134.9	131.5	128.0	126.3	122.8
10°	164.3	164.3	162.6	159.1	157.4	150.5	147.0	141.8	138.4	136.7	131.5
12.5°	198.9	195.5	193.7	188.6	179.9	171.3	164.3	159.1	155.7	155.7	148.8
15°	238.7	237.0	233.5	219.7	209.3	197.2	188.6	185.1	183.4	179.9	174.7
17.5°	287.2	287.2	280.2	261.2	243.9	231.8	221.4	216.2	214.5	214.5	209.3
20°	349.4	349.4	335.6	307.9	287.2	271.6	259.5	252.6	252.6	250.8	247.4
22.5°	422.1	425.5	404.8	368.5	333.9	311.4	297.5	295.8	295.8	302.7	299.3
25°	506.8	506.8	480.9	434.2	394.4	354.6	344.2	351.2	356.3	363.3	365.0
27.5°	615.8	612.4	569.1	510.3	448.0	404.8	392.7	406.5	422.1	427.3	437.6
30°	740.4	735.2	681.5	598.5	513.8	449.8	444.6	470.5	498.2	503.4	517.2
32.5°	845.9	849.3	788.8	697.1	581.2	505.1	499.9	541.4	576.0	588.1	614.1
35°	973.9	975.6	903.0	787.1	647.0	557.0	555.3	612.4	662.5	678.1	705.8
37.5°	1027.5	1037.9	982.5	864.9	712.7	612.4	608.9	679.8	736.9	754.2	785.3
40°	1082.9	1089.8	1032.7	922.0	766.3	660.8	662.5	738.6	790.5	811.3	828.6
42.5°	1197.0	1200.5	1122.7	982.5	811.3	711.0	712.7	781.9	840.7	866.6	897.8
45°	1299.1	1314.7	1238.6	1077.7	871.8	754.2	757.7	852.8	918.5	954.9	992.9
47.5°	1444.4	1444.4	1382.1	1204.0	961.8	813.0	832.0	953.1	1043.1	1074.2	1129.6
50°	1574.1	1575.9	1529.2	1340.6	1062.1	894.3	928.9	1079.4	1193.6	1229.9	1304.3
52.5°	1681.4	1683.1	1650.2	1498.0	1198.8	1001.6	1041.4	1247.2	1375.2	1420.2	1485.9
55°	1814.6	1805.9	1785.2	1655.4	1354.5	1140.0	1198.8	1425.4	1558.6	1619.1	1698.7
57.5°	1956.4	1946.0	1954.7	1826.7	1532.6	1311.2	1371.7	1615.7	1800.7	1878.6	1970.3
60°	2034.3	2037.7	2103.5	2051.6	1748.8	1524.0	1591.4	1906.3	2098.3	2158.8	2179.6
62.5°	2072.3	2075.8	2188.2	2222.8	2004.9	1747.1	1842.3	2146.7	2285.1	2361.2	2345.6
65°	2061.9	2075.8	2255.7	2350.8	2219.4	1987.6	2089.6	2373.3	2529.0	2568.8	2447.7
67.5°	1876.9	1920.1	2134.6	2373.3	2331.8	2155.4	2255.7	2532.5	2606.8	2599.9	2343.9
70°	1589.7	1601.8	1859.6	2205.5	2298.9	2148.4	2271.3	2499.6	2513.4	2477.1	2113.8
72.5°	1223.0	1252.4	1485.9	1861.3	2070.6	1994.5	2098.3	2278.2	2193.4	2101.7	1705.6
75°	897.8	885.7	1081.1	1446.1	1714.3	1724.6	1826.7	1932.2	1805.9	1731.6	1392.5
77.5°	608.9	638.3	778.4	1070.8	1347.5	1440.9	1543.0	1556.8	1473.8	1413.3	1065.6
80°	416.9	422.1	527.6	781.9	1051.7	1183.2	1273.1	1304.3	1184.9	1115.7	804.4
82.5°	238.7	243.9	333.9	562.2	825.1	977.3	1069.0	1060.4	923.7	854.5	558.7
85°	133.2	134.9	193.7	347.7	621.0	781.9	861.5	792.3	655.6	591.6	366.7
87.5°	79.6	83.0	115.9	223.1	422.1	605.4	645.2	551.8	423.8	377.1	242.2
90°	50.2	53.6	70.9	131.5	271.6	425.5	437.6	347.7	262.9	237.0	164.3
92.5°	32.9	34.6	46.7	81.3	167.8	268.1	280.2	209.3	162.6	145.3	112.4
95°	25.9	25.9	32.9	55.4	103.8	157.4	169.5	126.3	105.5	95.1	77.8
97.5°	20.8	20.8	25.9	39.8	70.9	98.6	102.1	83.0	70.9	69.2	58.8
100°	17.3	19.0	22.5	31.1	50.2	65.7	65.7	57.1	51.9	51.9	46.7
102.5°	15.6	15.6	19.0	25.9	39.8	50.2	48.4	43.2	39.8	39.8	38.1
105°	15.6	13.8	17.3	20.8	31.1	38.1	36.3	32.9	31.1	29.4	29.4
107.5°	13.8	12.1	13.8	17.3	25.9	31.1	29.4	25.9	24.2	22.5	24.2
110°	12.1	12.1	12.1	15.6	20.8	25.9	24.2	20.8	19.0	19.0	19.0

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	10.4	10.4	10.4	13.8	17.3	20.8	20.8	17.3	15.6	13.8	15.6
115°	10.4	10.4	10.4	12.1	15.6	19.0	17.3	13.8	12.1	12.1	13.8
117.5°	8.6	8.6	8.6	12.1	13.8	15.6	15.6	12.1	10.4	10.4	12.1
120°	8.6	8.6	8.6	10.4	13.8	13.8	13.8	10.4	10.4	10.4	12.1
122.5°	8.6	8.6	8.6	10.4	12.1	13.8	12.1	10.4	8.6	8.6	10.4
125°	8.6	8.6	8.6	10.4	12.1	12.1	10.4	8.6	8.6	8.6	10.4
127.5°	8.6	8.6	8.6	10.4	10.4	10.4	10.4	8.6	8.6	8.6	10.4
130°	8.6	8.6	8.6	8.6	10.4	10.4	8.6	8.6	8.6	8.6	8.6
132.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	6.9	8.6	8.6	8.6
135°	8.6	8.6	8.6	8.6	8.6	8.6	6.9	6.9	6.9	6.9	8.6
137.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	8.6
140°	6.9	6.9	6.9	6.9	6.9	6.9	5.2	5.2	5.2	5.2	6.9
142.5°	6.9	6.9	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
145°	5.2	5.2	5.2	5.2	5.2	5.2	3.5	3.5	3.5	5.2	5.2
147.5°	5.2	5.2	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
150°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	114.2	114.2	114.2	114.2	114.2	114.2	114.2	114.2	114.2	114.2	114.2
2.5°	114.2	114.2	112.4	110.7	110.7	110.7	110.7	110.7	109.0	109.0	109.0
5°	115.9	114.2	112.4	110.7	109.0	107.2	105.5	105.5	103.8	103.8	103.8
7.5°	121.1	119.4	114.2	110.7	107.2	105.5	103.8	102.1	100.3	98.6	98.6
10°	129.7	126.3	119.4	114.2	109.0	105.5	102.1	100.3	98.6	98.6	96.9
12.5°	145.3	141.8	131.5	122.8	114.2	109.0	103.8	102.1	102.1	102.1	103.8
15°	171.3	166.1	152.2	140.1	126.3	115.9	112.4	114.2	115.9	117.6	117.6
17.5°	204.1	197.2	181.6	160.9	141.8	129.7	128.0	129.7	133.2	136.7	136.7
20°	242.2	233.5	209.3	185.1	160.9	150.5	145.3	148.8	154.0	160.9	159.1
22.5°	295.8	282.0	252.6	212.8	185.1	171.3	164.3	169.5	179.9	186.8	186.8
25°	356.3	339.0	301.0	247.4	209.3	188.6	185.1	193.7	212.8	223.1	223.1
27.5°	425.5	404.8	352.9	283.7	235.3	207.6	204.1	223.1	247.4	266.4	264.7
30°	506.8	482.6	415.2	321.7	259.5	223.1	226.6	252.6	285.4	307.9	307.9
32.5°	600.2	562.2	475.7	363.3	278.5	237.0	243.9	278.5	318.3	340.8	344.2
35°	688.5	643.5	525.9	394.4	294.1	249.1	257.7	302.7	349.4	377.1	377.1
37.5°	764.6	716.1	565.7	415.2	301.0	256.0	269.9	321.7	366.7	394.4	394.4
40°	800.9	743.8	577.8	418.6	302.7	259.5	276.8	330.4	373.6	396.1	394.4
42.5°	866.6	790.5	579.5	399.6	297.5	261.2	280.2	326.9	359.8	370.2	368.5
45°	954.9	856.3	588.1	382.3	285.4	257.7	276.8	314.8	333.9	335.6	332.1
47.5°	1069.0	951.4	600.2	366.7	275.0	252.6	268.1	297.5	307.9	302.7	301.0
50°	1226.4	1060.4	617.5	349.4	268.1	243.9	259.5	285.4	292.3	282.0	280.2
52.5°	1380.4	1169.4	624.5	332.1	261.2	238.7	254.3	280.2	282.0	264.7	262.9
55°	1567.2	1287.0	615.8	313.1	257.7	237.0	254.3	276.8	269.9	252.6	249.1
57.5°	1800.7	1437.5	614.1	295.8	250.8	237.0	256.0	273.3	268.1	256.0	254.3
60°	1946.0	1501.5	586.4	285.4	245.6	240.4	259.5	278.5	271.6	257.7	256.0
62.5°	2049.8	1529.2	544.9	273.3	242.2	240.4	264.7	280.2	269.9	259.5	257.7
65°	2079.2	1501.5	501.6	261.2	237.0	240.4	266.4	278.5	273.3	266.4	266.4
67.5°	1954.7	1376.9	439.4	250.8	230.1	235.3	262.9	280.2	276.8	273.3	271.6
70°	1728.1	1200.5	382.3	237.0	218.0	226.6	257.7	280.2	280.2	278.5	278.5
72.5°	1378.7	927.2	307.9	221.4	204.1	216.2	250.8	275.0	273.3	271.6	269.9
75°	1105.4	731.7	261.2	200.7	190.3	202.4	240.4	264.7	261.2	261.2	259.5
77.5°	832.0	553.5	221.4	181.6	173.0	190.3	224.9	247.4	245.6	243.9	240.4
80°	602.0	410.0	188.6	164.3	159.1	174.7	205.8	224.9	224.9	224.9	223.1
82.5°	435.9	302.7	164.3	148.8	145.3	159.1	185.1	200.7	207.6	212.8	209.3
85°	287.2	212.8	145.3	134.9	134.9	147.0	167.8	181.6	192.0	197.2	195.5
87.5°	195.5	162.6	128.0	119.4	122.8	134.9	154.0	164.3	173.0	178.2	176.4
90°	138.4	126.3	109.0	102.1	105.5	121.1	138.4	147.0	150.5	152.2	150.5
92.5°	98.6	93.4	86.5	83.0	88.2	105.5	121.1	124.5	124.5	122.8	119.4
95°	74.4	70.9	69.2	65.7	72.7	88.2	100.3	100.3	100.3	95.1	95.1
97.5°	57.1	57.1	57.1	53.6	58.8	70.9	79.6	77.8	77.8	74.4	74.4
100°	46.7	46.7	46.7	45.0	48.4	57.1	60.5	60.5	62.3	60.5	60.5
102.5°	38.1	38.1	38.1	38.1	39.8	46.7	50.2	48.4	50.2	50.2	50.2
105°	31.1	31.1	32.9	31.1	34.6	39.8	39.8	39.8	41.5	38.1	39.8
107.5°	24.2	25.9	25.9	25.9	29.4	32.9	34.6	32.9	32.9	31.1	31.1
110°	20.8	22.5	22.5	22.5	24.2	27.7	29.4	27.7	25.9	25.9	25.9

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.3	19.0	19.0	19.0	20.8	24.2	24.2	22.5	20.8	20.8	20.8
115°	15.6	15.6	17.3	17.3	19.0	20.8	20.8	19.0	17.3	19.0	19.0
117.5°	13.8	13.8	15.6	15.6	15.6	17.3	17.3	15.6	15.6	17.3	17.3
120°	12.1	13.8	13.8	13.8	13.8	15.6	15.6	13.8	13.8	15.6	15.6
122.5°	12.1	12.1	12.1	12.1	13.8	13.8	13.8	12.1	12.1	13.8	13.8
125°	10.4	12.1	12.1	12.1	12.1	12.1	12.1	10.4	12.1	12.1	13.8
127.5°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	12.1	12.1
130°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	8.6	10.4	10.4	10.4
132.5°	10.4	10.4	8.6	8.6	8.6	8.6	8.6	8.6	8.6	10.4	10.4
135°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	10.4	10.4
137.5°	8.6	8.6	6.9	6.9	6.9	6.9	6.9	6.9	8.6	8.6	8.6
140°	6.9	6.9	6.9	5.2	5.2	5.2	6.9	6.9	6.9	6.9	6.9
142.5°	6.9	6.9	5.2	5.2	5.2	5.2	5.2	5.2	6.9	6.9	6.9
145°	5.2	5.2	5.2	3.5	3.5	5.2	5.2	5.2	5.2	5.2	5.2
147.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.2	5.2	5.2	5.2
150°	3.5	3.5	3.5	3.5	1.7	3.5	3.5	3.5	3.5	3.5	3.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)